

# Comparisons of Job Characteristics

**Focus Occupation:** Rotary Drill Operators, Oil and Gas (47-5012)

**Associated Occupation:** Derrick Operators, Oil and Gas (47-5011)

[Compare Knowledge](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 89

**Focus Occupation:** Rotary Drill Operators, Oil and Gas (47-5012)  
**Associated Occupation:** Derrick Operators, Oil and Gas (47-5011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	13.5	15.3	>	Current knowledge level is likely sufficient
Transportation	4.6	7.5	7.0	0	Current knowledge level may be sufficient
Building and Construction	4.0	6.6	4.5	<<	Extensive education and/or training may be required
Physics	4.3	6.6	5.3	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** Rotary Drill Operators, Oil and Gas (47-5012)  
**Associated Occupation:** Derrick Operators, Oil and Gas (47-5011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	13.3	11.2	<	A higher skill level may be required
Operation and Control	5.4	12.3	11.5	0	Current skill level may be sufficient
Repairing	3.4	10.7	8.8	<	A higher skill level may be required
Quality Control Analysis	5.9	10.3	8.8	<	A higher skill level may be required
Troubleshooting	4.5	9.6	8.4	<	A higher skill level may be required
Equipment Maintenance	3.5	9.4	8.6	0	Current skill level may be sufficient
Equipment Selection	3.3	6.7	6.2	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)

Associated Occupation: Derrick Operators, Oil and Gas (47-5011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Multilimb Coordination	6.0	13.3	11.6	<	Some improvement in abilities may be required
Control Precision	6.6	13.2	13.0	0	Current ability level may be sufficient
Reaction Time	4.8	12.8	9.0	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	12.6	7.2	<<	Extensive improvement in abilities may be required
Static Strength	5.0	12.3	8.7	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	11.9	9.7	<	Some improvement in abilities may be required
Depth Perception	5.3	11.9	7.9	<<	Extensive improvement in abilities may be required
Stamina	4.0	10.3	5.4	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	10.2	6.9	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	9.2	4.1	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	7.4	4.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 68

Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)

Associated Occupation: Derrick Operators, Oil and Gas (47-5011)

Work Activities	Exclusivity of Activity
Maintain or repair construction machinery or equipment	77
Measure, weigh, or count products or materials	17
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

**Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)**  
**Associated Occupation: Derrick Operators, Oil and Gas (47-5011)**

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.